

PATENT
Attorney Docket No. 1437

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) Rausch et al.
Serial No. 09/718,312
Filed November 22, 2000
For System and Method for Processing a
Signal

Examiner Nguyen, Duc M.
Group Art No. 2685
Confirmation No. 3505

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Declaration

We, Walter F. Rausch, Anthony A. Panella, Michael P. Denny, Harry W. Perlow, and Bryan H. Scott, declare as follows. If no signature is included herein for one or more of the named inventors in the previous sentence, see paragraph 7 of this Declaration.

1. We are named inventors for U.S. Patent Application No. 09/718,312, filed on November 22, 2000 (the "Application").

2. We have reviewed and understand the specification and claims in the Application. We have reviewed and understand the contents of the Office action dated November 30, 2004, and the references cited therein (the "Office action").

3. Global Positioning System (GPS) signals are generated from satellites that are orbiting the Earth. A GPS receiver receives GPS signals from one or more overhead satellites when the GPS receiver is in line-of-sight to the overhead satellite.

4. When the GPS receiver is in line-of-sight to the GPS satellite, a GPS receiver will receive a GPS signal even if buildings are around the GPS receiver. The GPS signal is not blocked by a surrounding building because the GPS signal is transmitted from an overhead satellite, not from a horizontally-based transmitter. A GPS receiver does not need to be placed on a tower or other structure to receive a GPS signal when buildings are around the GPS receiver. A GPS receiver does not need to be placed on a tower or other structure to reduce blockage of a GPS signal by a building, since the GPS signal is in line-of-sight to the GPS satellite.

5. For example, an intelligent transportation system (ITS) provides a GPS receiver in a vehicle to assist in GPS-based navigation, including route guidance, tracking, and emergency

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EXHIBIT A

applications. The OnStar system is such a system. The GPS-based ITS navigation system operates in large cities with tall buildings and in rural areas. The ITS system uses GPS signals to track a vehicle through streets and other paths and to obtain directions for a driver through streets and other paths. The GPS receiver in the vehicle is not on a tower, and it receives GPS signals from the overhead GPS satellites. (Applicants are NOT alleging the ITS system is or is not within the art of the present Application. Applicants are merely using the ITS system as an example to demonstrate that a GPS receiver does not require a tower to receive a GPS signal when the GPS receiver is in an area that has buildings.)

6. The information in paragraphs 3-5 was known at the time of the invention claimed in the Application.

7. Fewer than all inventors may be making this Declaration if the remaining inventor(s) could not be located or reached before this Declaration was signed and/or filed or the remaining inventor(s) otherwise was/were not available to sign the declaration. Multiple attempts were made to locate, communicate with, or otherwise reach all named inventors prior to the signing and/or filing of this Declaration.

I/we hereby declare that all statements made herein of my/our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and such willful false statements may jeopardize the validity of the Application or any patent issued thereon.

Respectfully Submitted,

Date

1-31-05

By

Michael P. Denny

Respectfully Submitted,

Date

By

Harry W. Perlow

applications. The OnStar system is such a system. The GPS-based ITS navigation system operates in large cities with tall buildings and in rural areas. The ITS system uses GPS signals to track a vehicle through streets and other paths and to obtain directions for a driver through streets and other paths. The GPS receiver in the vehicle is not on a tower, and it receives GPS signals from the overhead GPS satellites. (Applicants are NOT alleging the ITS system is or is not within the art of the present Application. Applicants are merely using the ITS system as an example to demonstrate that a GPS receiver does not require a tower to receive a GPS signal when the GPS receiver is in an area that has buildings.)

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Date _____

Respectfully Submitted,

By _____

Michael P. Denny

Respectfully Submitted,

By _____

Harry W. Perlow

Date January 31, 2005

Date _____

Respectfully Submitted,

By _____
Anthony A. Panella

Date January 28, 2005

Respectfully Submitted,

By Walter F. Rausch
Walter F. Rausch

Date _____

Respectfully Submitted,

By _____
Bryan H. Scott

Respectfully Submitted,

Date _____

By _____
Anthony A. Panella

Respectfully Submitted,

Date _____

By _____
Walter F. Rausch

Respectfully Submitted,

Date 1/29/05

By Bryan H. Scott
Bryan H. Scott

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